

What is claimed is:

1. A retractable cable device, comprising:

a housing, having a receiving space;

a winding spool, pivotally connected to the receiving space of the

5 housing and having a first spool disk and a spring receiving space, and the first
spool disk having a receiving groove and a winding spool;

a communication cable, wound around the spool shaft of the winding
spool so that an inner winding is formed, and one end of the communication
cable passing through the first spool disk of the winding spool so that an outer
10 winding is formed, thereby the communication cable positioned on the winding
shaft and the receiving groove and protruding out of the housing; and

a spiral spring, positioned at the spring receiving space of the winding
spool, and one end of the spiral spring coupled to the winding spool and the
other end of the spiral spring coupled to the housing.

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2. The retractable cable device as claimed in claim 1, wherein a first
cable slot is positioned at the periphery of the receiving space, and the other
end of the communication cable extends through the first cable slot.

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3. The retractable cable device as claimed in claim 1, wherein a
shaft is positioned on one side of the receiving space, and a hole is integrally
formed with the other side of the receiving space, and an opening is positioned

at the winding spool which is pivotally connected within the receiving space of the housing, and a narrow slot is integrally formed with the shaft and a protrusion is positioned at the winding spool so that one end of the spiral spring is hooked by the protrusion of the winding spool and the other end of the spiral
5 spring is hooked by the narrow slot of the shaft.

4. The retractable cable device as claimed in claim 1, wherein a latch button is slidably mounted to the housing and a latch tip is integrally formed with the latch button so that the latch tip is used to hold the
10 communication cable.

5. The retractable cable device as claimed in claim 1, wherein the winding spool includes a second spool disk, and a receiving groove is positioned between the first spool disk and the second spool disk.
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6. The retractable cable device as claimed in claim 1, wherein a slot is positioned at the first spool disk and passes through both sides of the first spool disk.

20 7. The retractable cable device as claimed in claim 1, wherein a separation plate is positioned below the spiral spring and between the spiral spring and the communication cable.

8. The retractable cable device as claimed in claim 1, wherein a cover plate is positioned above the spiral spring and used to cover the spring receiving space.

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9. The retractable cable device as claimed in claim 8, wherein a positioning ring is integrally formed with the cover plate and has a plurality of notches, and a spool stop mechanism is installed near the winding spool and includes a rotatable pawl and a rotatable ratchet so that users can pull or retract the communication cable by the interconnection among the pawl, the ratchet and the notches of the cover plate.

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10. The retractable cable device as claimed in claim 8, wherein a positioning groove is positioned at the positioning ring and a ball is adapted to slide along the positioning groove, and a groove is positioned at the inner surface of the housing so that the ball is adapted to slide along the groove so that users can pull or retract the communication cable by the interconnection between the ball and the positioning groove of the cover plate.

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11. The retractable cable device as claimed in claim 1, wherein a reciprocating stop mechanism is installed at the housing, and users can stop or retract the communication cable by pushing a switch of the reciprocating stop

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mechanism.

12. The retractable cable device as claimed in claim 1, wherein the retractable cable device is installed in a mouse.

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13. The retractable cable device as claimed in claim 1, wherein the retractable cable device is installed in a game console.

14. The retractable cable device as claimed in claim 1, wherein the
10 retractable cable device is installed in a kind of meter.